

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

W239 N1812 ROCKWOOD DRIVE • PO BOX 1607 • WAUKESHA, WI 53187-1607 •

TELEPHONE (262) 547-6721
FAX (262) 547-1103

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MEMORANDUM

TO: Mr. Jeffrey S. Polenske, P.E., City Engineer, City of Milwaukee
Mr. James Buske, Engineering & GIS Services Manager, Village of Brown Deer
Mr. William C. Shaw, MCAMLIS Project Manager, Milwaukee County
Mr. Gregory G. High, P.E., Director, Architectural Engineering and
Environmental Services Division, Milwaukee County
Mr. Thomas W. Chapman, P.E., Section Manager, Milwaukee
Metropolitan Sewerage District

FROM: SEWRPC Staff

DATE: August 10, 2010

**SUBJECT: FLOODPLAIN AND FLOODWAY DELINEATIONS ALONG
BEAVER CREEK**

Preliminary draft floodplain maps for Beaver Creek are enclosed. These maps were developed under a joint program funded by the Milwaukee County Automated Mapping and Land Information System Steering Committee, the Milwaukee Metropolitan Sewerage District (MMSD), and the Southeastern Wisconsin Regional Planning Commission (SEWRPC). The maps show floodplain boundaries for the 10-, 2-, 1-, and 0.2 percent-annual probability (10-, 50-, 100-, and 500-year recurrence intervals, respectively) floods occurring under planned land use and existing channel conditions. They also show one-percent-probability floodway boundaries. The enclosed Table 1 lists the maps that were provided to each community in hard copy form and electronically. Complete sets of maps were provided to MMSD and Milwaukee County (hard copy to Mr. High and electronic copy to Mr. Shaw).

These maps provide the communities along Beaver Creek with an opportunity to adopt new or revised floodplain maps for local zoning and Federal flood insurance purposes. The floodplain along the lake at the headwaters of the Creek in the City of Milwaukee has not been mapped by the Federal Emergency Management Agency (FEMA) for flood insurance purposes, but has been included under the MCAMLIS/MMSD/SEWRPC mapping project and those maps are provided for the City's consideration. Because the reach in Milwaukee has not been mapped by FEMA, the City is not required to submit the floodplain to FEMA for inclusion on the Milwaukee County FEMA digital flood insurance rate maps (DFIRMs). However, the City may want to consider at least adopting the floodplain for local zoning purposes. The floodplain along the portion of Beaver Creek in the Village of Brown Deer is mapped by FEMA as an approximate zone on the September 26, 2008 Milwaukee County DFIRMs. FEMA will require that the Village submit the revised floodplain boundaries for flood insurance purposes.

The floodplain information shown on the updated maps being provided herewith is based on 1) flood flows estimated using a U.S. Environmental Protection Agency SWMM hydrologic and hydraulic model initially developed under the MMSD watercourse system planning (WCSP) program and refined by the

SEWRPC staff The maps reflect known current bridge and culvert conditions. The floodplain limits were delineated using 2005 elevation contour information collected under the MCAMLIS program.

The Village of Brown Deer provided comments on previous versions of the floodplain delineations in an October 7, 2009 letter to Michael G. Hahn of the Commission staff. Those comments were reviewed and discussed during a March 15, 2010 meeting between the Village staff and Mr. Hahn. The Village's written comments and the discussion at the March 2010 meeting were considered in revising the delineations as shown on the enclosed maps.

Please review the enclosed maps and contact Mr. Hahn with any questions or comments. It would be appreciated if comments were provided by September 10, 2010. Following review of the preliminary maps, we will incorporate any necessary changes. The Village of Brown Deer has already requested that we assist them in preparing a submittal to WDNR and FEMA asking for their review and approval of the maps prior to local adoption for zoning purposes and issuance of a FEMA Physical Map Revision. If the City of Milwaukee decides to pursue FEMA mapping of the floodplain along the lake in the headwaters area, and requests the assistance of the SEWRPC staff in submitting the necessary information to WDNR and FEMA, we would prepare a combined submittal.

The efforts of the local staffs that provided data used in preparation of the maps are hereby gratefully acknowledged. We trust that the information provided will be useful to you and we look forward to assisting you with this important project.

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#152095 v1 - MCAMLIS/MMSD BEAVER CR PRELIM FLPL MAP MEMO
KRY/MGH/pk

Enclosure

cc: Ms. Tanya L. Meyer, WDNR-Milwaukee
Mr. Robert M. Watson, WDNR-Madison
Mr. Kenneth M. Hinterlong, FEMA Region V

#152095 V1 - MCAMLIS/MMSD BEAVER CR PRELIM FLPL MAP MEMO
MGH/pk
08/10/10

Table 1

BEAVER CREEK FLOODPLAIN MAPS PROVIDED TO COMMUNITIES

Town/Range	U.S. Public Land Survey System One-Quarter Section	Communities Provided Maps
Township 8 North, Range 21 East	Section 1-NW ¼	Village of Brown Deer
	Section 1-SW ¼	Village of Brown Deer
	Section 2-All	Village of Brown Deer
	Section 3-NW ¼	City of Milwaukee
	Section 3-SW ¼	City of Milwaukee
	Section 3-SE ¼	Village of Brown Deer
	Section 10-NE ¼	Village of Brown Deer

Source: SEWRPC.